

E1
1. (Thrice Amended) A contoured structural member, comprising:
an inner section having a continuous plurality of contoured layers comprising a metal-containing material;
an outer section having a continuous plurality of contoured layers comprising a metal-containing material; and
at least one intermediate layer having a honeycomb structure connecting the inner section and the outer section.

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A. (Thrice Amended) A contoured structural member, comprising:
a plurality of contoured inner layers comprising a metal-containing material;
a plurality of contoured outer layers comprising a metal-containing material; and
at least one intermediate layer having a honeycomb structure connecting the plurality of inner layers and the plurality of outer layers;
wherein the plurality of contoured inner layers is formed of a continuous sheet, the plurality of contoured outer layers is formed of a continuous sheet, or the plurality of inner contoured layers and the plurality of contoured outer layers are both formed from continuous sheets.

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B. (Twice Amended) The structural member of claim 1, wherein the metal-containing material in the inner and outer sections are the same.

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2A. (Thrice Amended) A method for making a contoured structural member, comprising:

providing an inner section containing a layer comprising a metal-containing material;
roll wrapping at least one intermediate layer over the inner section, the at least one intermediate layer having a honeycomb structure; and

providing an outer section over the at least one intermediate layer, the outer section containing a layer comprising a metal-containing material; and

connecting the inner and outer sections to the at least one intermediate layer;

wherein the inner section contains a plurality of layers, the outer section contains a plurality of layers, or the inner and outer sections contain a plurality of layers.

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~~19~~ (Thrice Amended) A method for making a contoured structural member, comprising:-

roll wrapping at least one inner layer comprising a metal-containing material over a substrate, wherein the at least one inner layer comprises a plurality of layers;

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roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a honeycomb structure;

roll wrapping at least one outer layer over the at least one intermediate layer, the at least one outer layer comprising a metal-containing material; and

connecting the at least one inner and outer layer to the at least one intermediate layer.

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~~25~~ (Thrice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a honeycomb structure; and

roll wrapping at least one outer layer over the at least one intermediate layer, the at least one outer layer comprising a metal-containing material, wherein the at least one outer layer comprises a plurality of layers; and

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connecting the at least one inner and outer layer to the at least one intermediate layer.

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~~24~~. (Amended) The method of claim ~~21~~¹¹, further including providing the inner section and then removing the substrate after the connection.

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~~26~~. (Amended) The method of claim ~~25~~¹³, further including constraining the outer section when connecting the inner and outer section to the at least one intermediate layer prior to removing the substrate.

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~~27~~. (Amended) The method of claim ~~26~~¹⁴, including constraining the outer section by roll wrapping at least one layer of a shrink-wrap material over the outer section.

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~~28~~. (Amended) The method of claim ~~27~~¹⁵, including removing the at least one layer of the shrink-wrap material after the connection.

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~~29~~. (Amended) The method of claim ~~27~~¹⁵, further including providing at least one pressure distributor over the outer section.

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~~31~~. (Twice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

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roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a ribbed structure; and

roll wrapping at least one outer layer covering the at least one intermediate layer, the at least one outer layer comprising a metal-containing material;

connecting the at least one inner and outer layers to the at least one intermediate layer; and

removing the substrate;

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and

wherein the at least one inner layer contains a plurality of layers, the at least one outer layer contains a plurality of layers, or the at least one inner and outer layers contain a plurality of layers.

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~~32.~~ (Twice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a ribbed structure; and

roll wrapping at least one outer layer covering the at least one intermediate layer, the at least one outer layer comprising a metal-containing material;

constraining the at least one outer layer with a shrink-wrap material;

connecting the at least one inner and outer layers to the at least one intermediate layer;

and

removing the shrink-wrap material and the substrate;

wherein the at least one inner layer contains a plurality of layers, the at least one outer layer contains a plurality of layers, or the at least one inner and outer layers contain a plurality of layers.

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~~33.~~ (Twice Amended) A method for making a contoured structural member, comprising:

roll wrapping at least one inner layer comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer having a honeycomb structure to be substantially contiguous with the at least one inner layer; and

roll wrapping at least one outer layer to be substantially contiguous with the at least one intermediate layer, the at least one outer layer comprising metal-containing material;

constraining the at least one outer layer with a shrink-wrap material;

connecting the at least one inner and outer layers to the at least one intermediate layer;

and

removing the shrink-wrap material and the substrate;

wherein the at least one inner layer contains a plurality of layers, the at least one outer layer contains a plurality of layers, or the at least one inner and outer layers contain a plurality of layers.

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24. (Thrice Amended) A contoured structural member made by the method comprising:

providing at least one inner layer using a continuous sheet comprising a metal-containing material;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a honeycomb structure; and

providing at least one outer layer over the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material; and

connecting the at least one inner and outer layers to the at least one intermediate layer;

wherein the at least one inner layer contains a plurality of layers, the at least one outer layer contains a plurality of layers, or the at least one inner and outer layers contain a plurality of layers.

25. (Thrice Amended) A contoured structural member made by the method comprising:

roll wrapping at least one inner layer using a continuous sheet comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer over the at least one inner layer, the at least one intermediate layer having a honeycomb structure; and

roll wrapping at least one outer layer covering the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material;

constraining the at least one outer layer with a shrink-wrap material;

connecting the at least one inner and outer layers to the at least one intermediate layer;

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removing the shrink-wrap material and the substrate;

wherein the at least one inner layer contains a plurality of layers, the at least one outer layer contains a plurality of layers, or the at least one inner and outer layers contain a plurality of layers.

~~36.~~ ²⁶ (Thrice Amended) A contoured structural member made by the method comprising:

roll wrapping at least one inner layer using a continuous sheet comprising a metal-containing material over a substrate;

roll wrapping at least one intermediate layer having a honeycomb structure to be substantially contiguous with the at least one inner layer; and

roll wrapping at least one outer layer to be substantially contiguous with the at least one intermediate layer, the at least one outer layer containing a continuous sheet comprising a metal-containing material;

constraining the at least one outer layer with a shrink-wrap material;